

4. (Previously Amended) The apparatus of Claim 3, where sensor drifts of all the gravity sensors are time-correlated with one another.

5. (Previously Amended) The apparatus of Claim 6, further comprising sensor hardware or software configured to correct sensor drift of one or more of the gravity sensors.

6. (Previously Amended) An apparatus comprising: a subsurface logging apparatus; and a plurality of gravity sensors coupled to the subsurface logging apparatus, the sensors being spaced a known, distance apart to form a gravity sensor array, where different gravity sensors are spaced at different distances from one another.

7. (Previously Amended) The apparatus of Claim 6, where the array is a linear, vertical array.

8. (Currently Withdrawn).

9. (Currently Withdrawn).

#### **REMARKS**

The Advisory Action dated December 14, 2005 has been carefully reviewed and the foregoing amendments made in response thereto. Applicant respectfully requests that pending Claims 2 through 7 go to issuance.

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